

# TECHNICAL DATA SHEET

## WD-40® Specialist® ELECTRONICS AND ELECTRICAL PARTS CLEANER



### PRODUCT DESCRIPTION

WD-40® SPECIALIST® ELECTRONICS & ELECTRICAL PARTS CLEANER cleans sensitive electronics and electrical equipment. Cleans oil, dirt, flux residue and condensation without leaving residue. Works on larger electric motors, armatures, relays, electric panels and generators.

### APPLICATIONS

- PRINTED CIRCUIT BOARDS
- CONTROLS
- SWITCHES
- TAPE HEADS
- PRECISION INSTRUMENTS

### FEATURES & BENEFITS

- Cleans Sensitive Electronic Equipment
- 50-State VOC Compliant
- Sprays Upright and Inverted
- Quick Drying
- Leaves No Residue
- Kb Value >250 (ASTM D1133)
- Dielectric Strength >20Kv (ASTM D877)
- Plastic & Metal Safe

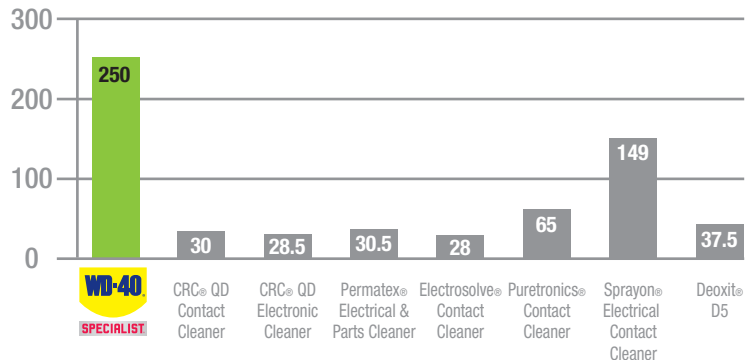
### PHYSICAL and CHEMICAL PROPERTIES

<b>Boiling Point (initial):</b>	201-208°F	<b>Specific Gravity:</b>	0.71
<b>Solubility in Water:</b>	Partially soluble	<b>pH:</b>	Not Applicable
<b>Vapor Pressure:</b>	37.5 mmHg @ 20°C	<b>Vapor Density:</b>	Greater than 2 (air=1)
<b>Percent Volatile:</b>	100%	<b>VOC:</b>	45%
<b>Coefficient of Water/Oil Distribution:</b>	Not Determined	<b>Appearance/Odor:</b>	Clear liquid/hydrocarbon odor
<b>Flash Point:</b>	-10°C (ASTM D93)	<b>Flammable Limits:</b>	LEL: 1.1% UEL: 16.9%

### PERFORMANCE RESULTS

#### KAURI-BUTANOL (Kb Value) SCORE

The Kauri-Butanol value (Kb Value) is an international, standardized measure of solvent power for a hydrocarbon solvent. The Kb value of a chemical shows the maximum amount of the hydrocarbon that can be added to a solution of kauri resin (a thick, gum-like material) in butyl alcohol without causing cloudiness. WD-40 Specialist Electronics and Electrical Parts Cleaner's high score indicates that the Specialist product dissolves a wider range of soils than a product comprised of only hydrocarbon solvents.



## DIRECTIONS

Shut off all power and allow any hot surfaces to cool. Make sure all stored power is drained from the system. **Shake Can Well.** Hold can 6 to 8 inches away from the surface and spray directly on to the electronic device or circuit board to eliminate and remove any contaminants that may cause loss of electrical contact. Tilt surface while cleaning and allow any excess cleaner to run off. Allow product to dry completely and thoroughly vent the system before restoring power.

## STORAGE

Do not store above 120°F or in direct sunlight. U.F.C (NFPA 30B) Level 1 Aerosol.

## DISPOSAL

If this product becomes a waste, it would be expected to meet the criteria of a RCRA ignitable hazardous waste (D001). However, it is the responsibility of the generator to determine at the time of disposal the proper classification and method of disposal. Dispose in accordance with federal, state, and local regulations.

## SPECIAL USE WARNINGS

**CONTENTS ARE EXTREMELY FLAMMABLE:** Keep spray away from heat, sparks, pilot lights, open flames, etc. Unplug electrical tools, motors and appliances before spraying or bringing the can near any source of electricity. Always allow to dry and evacuate fumes before power is returned. Do not smoke in use area. **ELECTRICITY MAY BURN HOLE IN CAN AND CAUSE CONTENTS TO BURST INTO FLAMES:** To avoid serious injury, do not let **THE CAN** touch battery terminals, electrical connections on motors or appliances or any other source of electricity. **BREATHING HAZARD:** Prolonged overexposure may cause peripheral nervous system damage. Use only in a well-ventilated area. Do not breathe vapor or spray mist. **DELIBERATE OR DIRECT INHALATION OF VAPOR OR SPRAY MIST MAY BE HARMFUL OR FATAL. CONTENTS UNDER PRESSURE:** Do not store above 120°F. Do not place can on hot or surfaces or in direct sunlight. Heat may cause can to burst violently. Do not puncture, crush or incinerate (burn) can, even when empty. **FIRST AID: Ingestion: CONTAINS Heptane, Petroleum Distillates, Isopropanol and 1,1-Difluoroethane.** Harmful or fatal if swallowed. If swallowed, do not induce vomiting. Call physician immediately. **Eye Contact:** Immediately flush eyes with large amounts of water for 15 minutes. **Skin Contact:** Wash with soap and water. **Inhalation (breathing):** Get to fresh air immediately. Give artificial respiration or oxygen, if necessary. **CAS Numbers:** Heptane 64742-49-0 & 142-82-5.

## REGULATORY INFORMATION

**U.S. Federal Regulations: CERCLA 103 Reportable Quantity:** Product is not subject to CERCLA reporting. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations. **SARA TITLE III: Hazard Category For Section 311/312:** Acute Health, Fire Hazard, Sudden Release of Pressure; **Section 313 Toxic Chemicals:** This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements: None; **Section 302 Extremely Hazardous Substances (TPQ):** None; **EPA Toxic Substances Control Act (TSCA) Status:** All of the components of this product are listed on the TSCA inventory;



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